UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7
11201 Renner Boulevard
Lenexa, Kansas 66219

DEC 1 - 2014

Ms. Heather Calhoun
Senior Contract Specialist
Jones Long LaSalle Americas, Inc.
4300 Amon Carter Boulevard, Suite 100
Fort Worth, Texas 76155

Dear Ms. Calhoun:

The purpose of this correspondence is to provide notice of termination on the prescribed date set in the consent for access, tracking number 13-47787 and transmit the quality assured data collected from the sampling events for the Railroads, Operable Unit 08, Cherokee County Superfund site. The attached laboratory data include samples taken during our sampling events from December 2013 to September 2014.

If you have questions, please contact me at 913-551-7939.

Sincerely,

Elizabeth Hagenmaier
Remedial Project Manager
Special Emphasis Remedial Branch
Superfund Division

Enclosures

cc: James Sadler, BNSF Roadmaster (via email only)
Matt Graham, Director of Environmental Project Controls & Real Estate (via email only)

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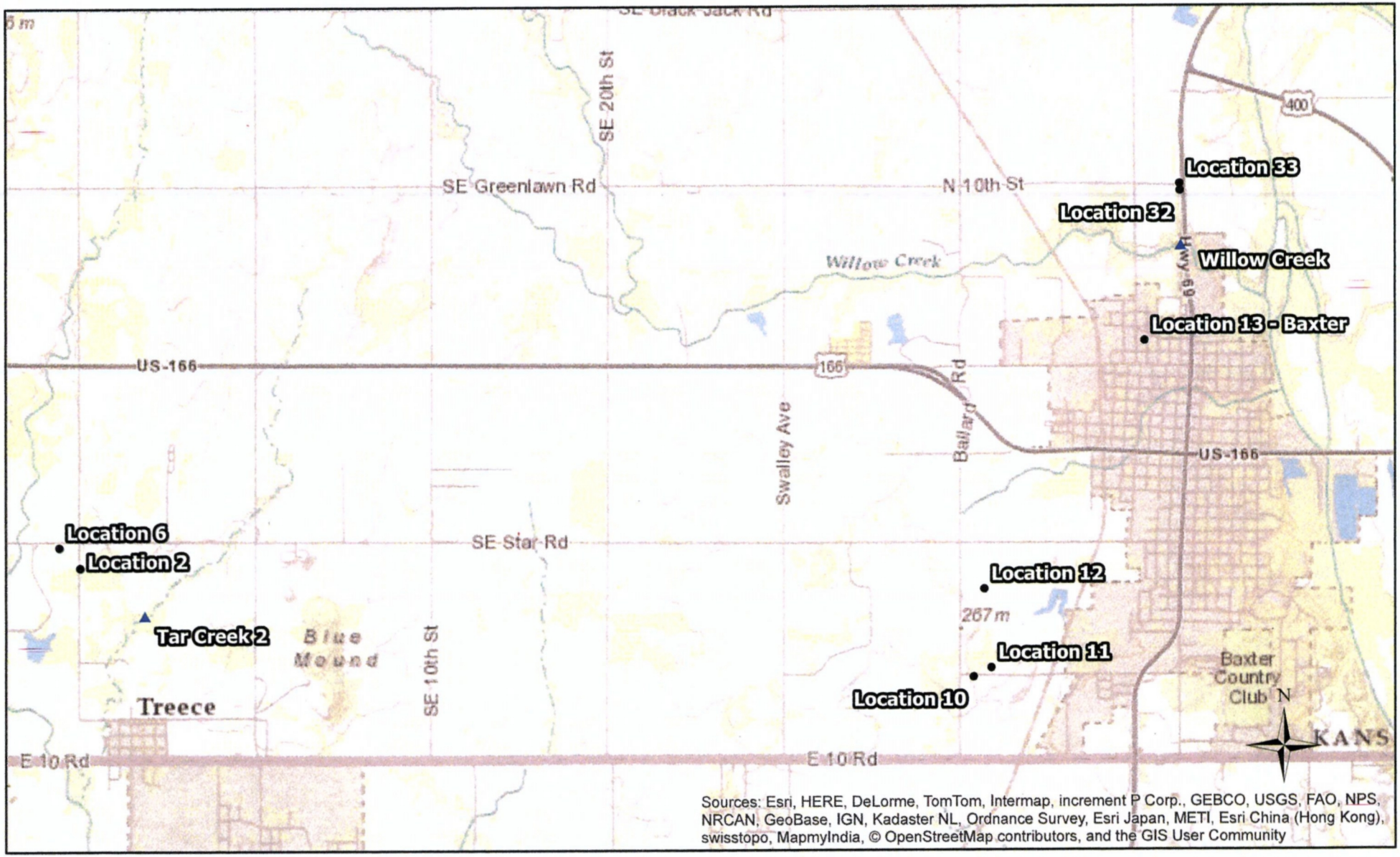
Superfund
0408

Remedial Investigation Locations

Treece and Baxter Springs, KS

Cherokee County Superfund Site

OU 08 - Railroads



0 0.5 1 2 Miles

▲ Water/Sediment Sample

• Soil Sample

NOTE: The Environmental Protection Agency does not guarantee the accuracy, completeness, or timeliness of the information shown, and shall not be liable for any injury or loss resulting from reliance upon the information shown.

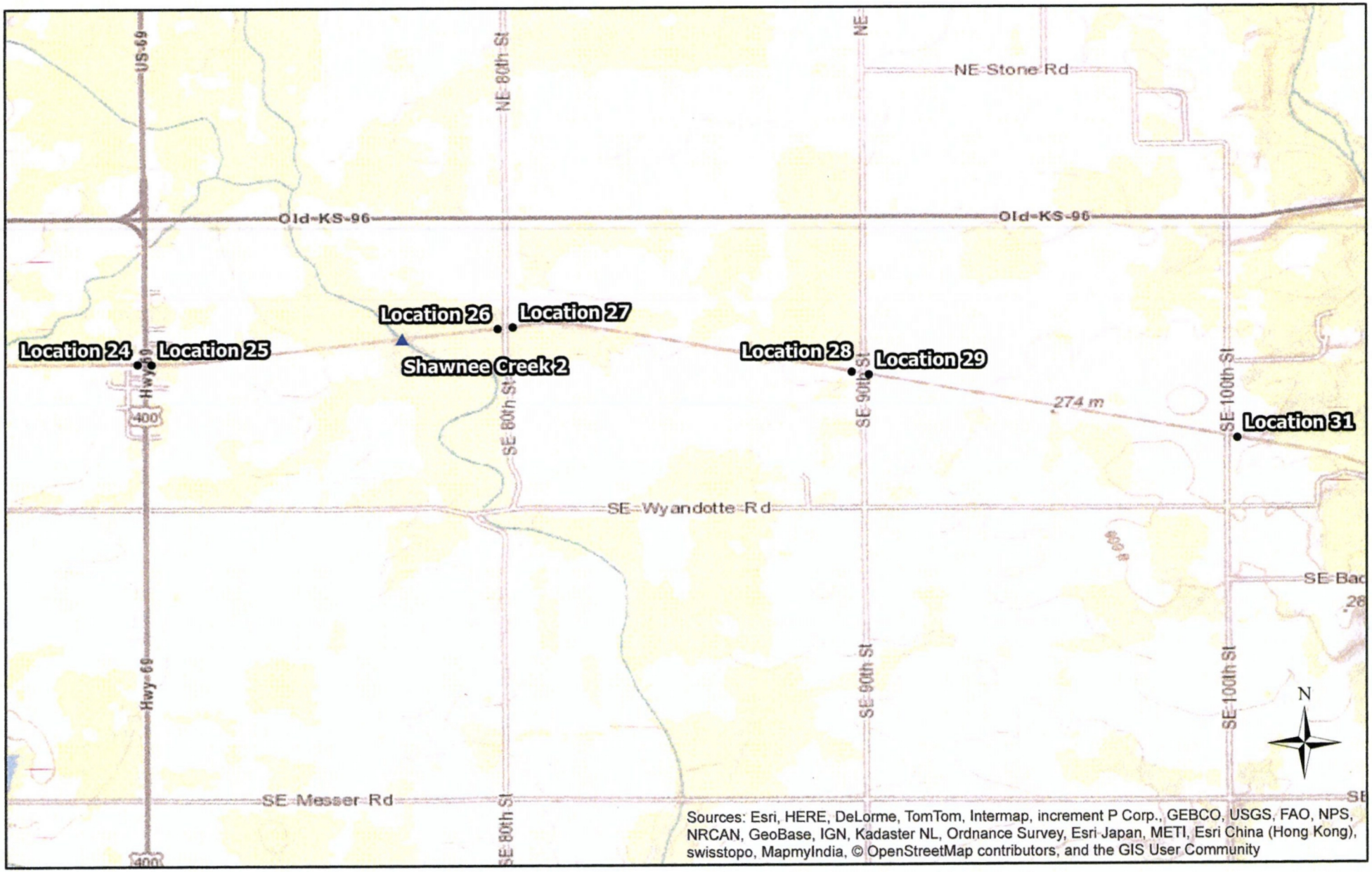
EPA United States Environmental Protection

EH 12/10/2014

Crestline, KS Remedial Investigation Locations

Cherokee County Superfund Site

OU 08 - Railroads



0 0.25 0.5 1 Miles

▲ Water/Sediment Sample

• Soil Sample

NOTE: The Environmental Protection Agency does not guarantee the accuracy, completeness, or timeliness of the information shown, and shall not be liable for any injury or loss resulting from reliance upon the information shown.

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EH 12/08/2014

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01/09/2014

Results of Sample Analysis

Sample: 6105-39
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-39. This sample was collected on 12/02/2013 at the location described as: CCR-SS-2A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-39 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	84.6	Milligrams per Kilogram
Lead	1940	Milligrams per Kilogram
Zinc	16200	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-40
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-40. This sample was collected on 12/02/2013 at the location described as: CCR-SS-6A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-40 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	24.3	Milligrams per Kilogram
Lead	322	Milligrams per Kilogram
Zinc	6080	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-41
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-41. This sample was collected on 12/02/2013 at the location described as: CCR-SS-6B (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-41 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	17.0	Milligrams per Kilogram
Lead	76.6	Milligrams per Kilogram
Zinc	2430	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-4
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-4. This sample was collected on 05/08/2013 at the location described as: CCR-SS-10C (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-4 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	37.7	Milligrams per Kilogram
Lead	152	Milligrams per Kilogram
Zinc	8680	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-5
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-5. This sample was collected on 05/08/2013 at the location described as: CCR-SS-10B (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-5 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	41.5	Milligrams per Kilogram
Lead	338	Milligrams per Kilogram
Zinc	9860	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-6
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-6. This sample was collected on 05/08/2013 at the location described as: CCR-SO-10A (0-6). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-6 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	38.6	Milligrams per Kilogram
Lead	398	Milligrams per Kilogram
Zinc	8190	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-73
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-73. This sample was collected on 12/05/2013 at the location described as: CCR-SS-11A (0-6). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-73 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	Approximately 38.8	Milligrams per Kilogram
Lead	827	Milligrams per Kilogram
Zinc	12600	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-71
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-71. This sample was collected on 12/05/2013 at the location described as: CCR-SS-12A (12-18). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-71 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	9.7	Milligrams per Kilogram
Lead	300	Milligrams per Kilogram
Zinc	3600	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-72
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-72. This sample was collected on 12/05/2013 at the location described as: CCR-SS-12B (0-6). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-72 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	45.1	Milligrams per Kilogram
Lead	457	Milligrams per Kilogram
Zinc	12000	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-66-FD
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-66-FD. This sample was collected on 12/04/2013 at the location described as: CCR-SS-13E (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-66-FD for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	3.1	Milligrams per Kilogram
Lead	178	Milligrams per Kilogram
Zinc	545	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-68
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-68. This sample was collected on 12/04/2013 at the location described as: CCR-SS-13C (12-18). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-68 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	59.1	Milligrams per Kilogram
Lead	1390	Milligrams per Kilogram
Zinc	11400	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-69
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-69. This sample was collected on 12/05/2013 at the location described as: CCR-SS-13B (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-69 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	45.9	Milligrams per Kilogram
Lead	1640	Milligrams per Kilogram
Zinc	8470	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-70
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-70. This sample was collected on 12/05/2013 at the location described as: CCR-SS-13D (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-70 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	41.7	Milligrams per Kilogram
Lead	3750	Milligrams per Kilogram
Zinc	4100	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-74
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-74. This sample was collected on 12/05/2013 at the location described as: CCR-SS-13A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-74 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	46.5	Milligrams per Kilogram
Lead	820	Milligrams per Kilogram
Zinc	9420	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-66
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-66. This sample was collected on 12/04/2013 at the location described as: CCR-SS-13E (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-66 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	4.4	Milligrams per Kilogram
Lead	329	Milligrams per Kilogram
Zinc	722	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-42
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-42. This sample was collected on 12/03/2013 at the location described as: CCR-SS-24B (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-42 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	36.5	Milligrams per Kilogram
Lead	609	Milligrams per Kilogram
Zinc	6640	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-43
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-43. This sample was collected on 12/03/2013 at the location described as: CCR-SS-24A (24-30). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-43 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	2.1	Milligrams per Kilogram
Lead	86.0	Milligrams per Kilogram
Zinc	383	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-44
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-44. This sample was collected on 12/03/2013 at the location described as: CCR-SS-25B (0-6). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-44 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	37.9	Milligrams per Kilogram
Lead	386	Milligrams per Kilogram
Zinc	8090	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-45
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-45. This sample was collected on 12/03/2013 at the location described as: CCR-SS-25A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-45 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	49.2	Milligrams per Kilogram
Lead	1960	Milligrams per Kilogram
Zinc	14100	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-46
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-46. This sample was collected on 12/03/2013 at the location described as: CCR-SS-26B (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-46 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	33.4	Milligrams per Kilogram
Lead	472	Milligrams per Kilogram
Zinc	8450	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-47
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-47. This sample was collected on 12/03/2013 at the location described as: CCR-SS-26A (0-6). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-47 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	Approximately 37.2	Milligrams per Kilogram
Lead	884	Milligrams per Kilogram
Zinc	8100	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-48
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-48. This sample was collected on 12/03/2013 at the location described as: CCR-SS-27B (12-18). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-48 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	55.2	Milligrams per Kilogram
Lead	429	Milligrams per Kilogram
Zinc	10500	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-49
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-49. This sample was collected on 12/03/2013 at the location described as: CCR-SS-27A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-49 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	54.5	Milligrams per Kilogram
Lead	4260	Milligrams per Kilogram
Zinc	12100	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-50
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-50. This sample was collected on 12/03/2013 at the location described as: CCR-SS-28B (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-50 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	29.5	Milligrams per Kilogram
Lead	392	Milligrams per Kilogram
Zinc	5770	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-51
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-51. This sample was collected on 12/03/2013 at the location described as: CCR-SS-28A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-51 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	69.8	Milligrams per Kilogram
Lead	466	Milligrams per Kilogram
Zinc	12500	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-52
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-52. This sample was collected on 12/03/2013 at the location described as: CCR-SS-29B (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-52 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	48.6	Milligrams per Kilogram
Lead	403	Milligrams per Kilogram
Zinc	10700	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-55
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-55. This sample was collected on 12/04/2013 at the location described as: CCR-SS-29A (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-55 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	62.6	Milligrams per Kilogram
Lead	380	Milligrams per Kilogram
Zinc	11400	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-56
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-56. This sample was collected on 12/04/2013 at the location described as: CCR-SS-31B (12-18). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-56 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	33.9	Milligrams per Kilogram
Lead	476	Milligrams per Kilogram
Zinc	6100	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-57
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-57. This sample was collected on 12/04/2013 at the location described as: CCR-SS-31A (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-57 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	55.4	Milligrams per Kilogram
Lead	3600	Milligrams per Kilogram
Zinc	13700	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-57-FD
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-57-FD. This sample was collected on 12/04/2013 at the location described as: CCR-SS-31A (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-57-FD for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	33.8	Milligrams per Kilogram
Lead	3340	Milligrams per Kilogram
Zinc	10500	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-63
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-63. This sample was collected on 12/04/2013 at the location described as: CCR-SS-32A (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-63 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	105	Milligrams per Kilogram
Lead	1150	Milligrams per Kilogram
Zinc	18400	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-63-FD
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-63-FD. This sample was collected on 12/04/2013 at the location described as: CCR-SS-32A (18-24). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-63-FD for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	55.5	Milligrams per Kilogram
Lead	1320	Milligrams per Kilogram
Zinc	12300	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-65
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-65. This sample was collected on 12/04/2013 at the location described as: CCR-SS-32B (12-18). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-65 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	107	Milligrams per Kilogram
Lead	1260	Milligrams per Kilogram
Zinc	21700	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-59
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-59. This sample was collected on 12/04/2013 at the location described as: CCR-SS-33A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-59 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	60.0	Milligrams per Kilogram
Lead	727	Milligrams per Kilogram
Zinc	11600	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-59-FD
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-59-FD. This sample was collected on 12/04/2013 at the location described as: CCR-SS-33A (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-59-FD for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	54.9	Milligrams per Kilogram
Lead	880	Milligrams per Kilogram
Zinc	10100	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-61
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-61. This sample was collected on 12/04/2013 at the location described as: CCR-SS-33B (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-61 for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	38.4	Milligrams per Kilogram
Lead	887	Milligrams per Kilogram
Zinc	7940	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6105-61-FD
Project ID: EC073708

These are the results from the analysis of solid sample number 6105-61-FD. This sample was collected on 12/04/2013 at the location described as: CCR-SS-33B (6-12). If you have any questions about these results, contact Elizabeth Coffey at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6105-61-FD for project: EC073708 - Cherokee County - Railroads.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	42.6	Milligrams per Kilogram
Lead	737	Milligrams per Kilogram
Zinc	7280	Milligrams per Kilogram

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Results of Sample Analysis

Sample: 6476-40
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-40. This sample was collected on 12/02/2013 at the location described as: CCR-SS-6A (6-12)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-40 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	75.2	Percent
Lead, Total in sieved portion	964	Milligrams per Kilogram
Percent Solid		
Solids, percent	84.3	Percent

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Results of Sample Analysis

Sample: 6476-42
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-42. This sample was collected on 12/03/2013 at the location described as: CCR-SS-24B (6-12)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-42 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	45.0	Percent
Lead, Total in sieved portion	1860	Milligrams per Kilogram
Percent Solid		
Solids, percent	87.0	Percent

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Results of Sample Analysis

Sample: 6476-44
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-44. This sample was collected on 12/03/2013 at the location described as: CCR-SS-25B (0-6)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-44 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	56.4	Percent
Lead, Total in sieved portion	1860	Milligrams per Kilogram
Percent Solid		
Solids, percent	96.0	Percent

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Results of Sample Analysis

Sample: 6476-46
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-46. This sample was collected on 12/03/2013 at the location described as: CCR-SS-26B (18-24)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-46 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	49.8	Percent
Lead, Total in sieved portion	1680	Milligrams per Kilogram
Percent Solid		
Solids, percent	93.0	Percent

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Results of Sample Analysis

Sample: 6476-47
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-47. This sample was collected on 12/03/2013 at the location described as: CCR-SS-26A (0-6)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-47 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	64.3	Percent
Lead, Total in sieved portion	3240	Milligrams per Kilogram
Percent Solid		
Solids, percent	96.1	Percent

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Results of Sample Analysis

Sample: 6476-48
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-48. This sample was collected on 12/03/2013 at the location described as: CCR-SS-27B (12-18)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-48 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	54.9	Percent
Lead, Total in sieved portion	2070	Milligrams per Kilogram
Percent Solid		
Solids, percent	96.3	Percent

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Results of Sample Analysis

Sample: 6476-51
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-51. This sample was collected on 12/03/2013 at the location described as: CCR-SS-28A (6-12)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-51 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	48.3	Percent
Lead, Total in sieved portion	1800	Milligrams per Kilogram
Percent Solid		
Solids, percent	94.7	Percent

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Results of Sample Analysis

Sample: 6476-52
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-52. This sample was collected on 12/03/2013 at the location described as: CCR-SS-29B (18-24)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-52 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	51.6	Percent
Lead, Total in sieved portion	1150	Milligrams per Kilogram
Percent Solid		
Solids, percent	95.8	Percent

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Results of Sample Analysis

Sample: 6476-56
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-56. This sample was collected on 12/04/2013 at the location described as: CCR-SS-31B (12-18)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-56 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	47.0	Percent
Lead, Total in sieved portion	1970	Milligrams per Kilogram
Percent Solid		
Solids, percent	95.8	Percent

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Results of Sample Analysis

Sample: 6476-59
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-59. This sample was collected on 12/04/2013 at the location described as: CCR-SS-33A (6-12)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-59 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	52.1	Percent
Lead, Total in sieved portion	2280	Milligrams per Kilogram
Percent Solid		
Solids, percent	94.0	Percent

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Results of Sample Analysis

Sample: 6476-63
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-63. This sample was collected on 12/04/2013 at the location described as: CCR-SS-32A (18-24)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-63 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	66.3	Percent
Lead, Total in sieved portion	2690	Milligrams per Kilogram
Percent Solid		
Solids, percent	89.5	Percent

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Results of Sample Analysis

Sample: 6476-66
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-66. This sample was collected on 12/04/2013 at the location described as: CCR-SS-13E (18-24)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-66 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	26.3	Percent
Lead, Total in sieved portion	518	Milligrams per Kilogram
Percent Solid		
Solids, percent	83.8	Percent

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Results of Sample Analysis

Sample: 6476-72
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-72. This sample was collected on 12/05/2013 at the location described as: CCR-SS-12B (0-6)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-72 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	55.1	Percent
Lead, Total in sieved portion	1690	Milligrams per Kilogram
Percent Solid		
Solids, percent	95.3	Percent

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Results of Sample Analysis

Sample: 6476-73
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-73. This sample was collected on 12/05/2013 at the location described as: CCR-SS-11A (0-6)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-73 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	70.0	Percent
Lead, Total in sieved portion	2330	Milligrams per Kilogram
Percent Solid		
Solids, percent	95.0	Percent

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Results of Sample Analysis

Sample: 6476-74
Project ID: EH073708

These are the results from the analysis of solid sample number 6476-74. This sample was collected on 12/05/2013 at the location described as: CCR-SS-13A (6-12)/Bio Pb analysis of transmitted ASR #6105 per EH 4/28/2014. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6476-74 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	46.0	Percent
Lead, Total in sieved portion	1990	Milligrams per Kilogram
Percent Solid		
Solids, percent	93.1	Percent

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Results of Sample Analysis

Sample: 6430-107
Project ID: VM073708

These are the results from the analysis of water sample number 6430-107. This sample was collected on 04/16/2014 at the location described as: CCR-SW07, Shawnee Creek #2. If you have any questions about these results, contact Venessa Madden at the above address or by calling 913-551-7794. Correspondence should refer to sample number 6430-107 for project: VM073708 - Cherokee County - RR sampling.

Analysis/Analyte	Amount Found	Units
Hardness in Water by Calculation		
Hardness as CaCO3	136	Milligrams per Liter
Metals in Water by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Calcium	35.8	Milligrams per Liter
Magnesium	11.3	Milligrams per Liter
Metals in Water by Inductively Coupled Argon Plasma (ICP) and Mass Spectrometry (MS)		
Antimony	Less Than 2.0	Micrograms per Liter
Arsenic	Less Than 1.0	Micrograms per Liter
Barium	68.6	Micrograms per Liter
Beryllium	Less Than 1.0	Micrograms per Liter
Cadmium	Less Than 0.12	Micrograms per Liter
Chromium	Less Than 2.0	Micrograms per Liter
Cobalt	Less Than 1.0	Micrograms per Liter
Copper	Less Than 2.0	Micrograms per Liter
Lead	Less Than 1.0	Micrograms per Liter
Manganese	371	Micrograms per Liter
Nickel	5.9	Micrograms per Liter
Selenium	Less Than 5.0	Micrograms per Liter
Silver	Less Than 1.0	Micrograms per Liter
Thallium	Less Than 1.0	Micrograms per Liter
Vanadium	Less Than 1.0	Micrograms per Liter
Zinc	24.6	Micrograms per Liter

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Results of Sample Analysis

Sample: 6430-7
Project ID: VM073708

These are the results from the analysis of solid sample number 6430-7. This sample was collected on 04/16/2014 at the location described as: CCR-SD07, Shawnee Creek #2. If you have any questions about these results, contact Venessa Madden at the above address or by calling 913-551-7794. Correspondence should refer to sample number 6430-7 for project: VM073708 - Cherokee County - RR sampling.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Aluminum	6690	Milligrams per Kilogram
Antimony	10.4	Milligrams per Kilogram
Arsenic	Less Than 7.0	Milligrams per Kilogram
Barium	39.7	Milligrams per Kilogram
Beryllium	3.7	Milligrams per Kilogram
Cadmium	7.9	Milligrams per Kilogram
Calcium	649	Milligrams per Kilogram
Chromium	117	Milligrams per Kilogram
Cobalt	28.2	Milligrams per Kilogram
Copper	3.3	Milligrams per Kilogram
Iron	126000	Milligrams per Kilogram
Lead	56.4	Milligrams per Kilogram
Magnesium	506	Milligrams per Kilogram
Manganese	776	Milligrams per Kilogram
Molybdenum	Less Than 2.8	Milligrams per Kilogram
Nickel	70.9	Milligrams per Kilogram
Potassium	307	Milligrams per Kilogram
Selenium	Less Than 14.1	Milligrams per Kilogram
Silver	Less Than 2.8	Milligrams per Kilogram
Sodium	Less Than 70.3	Milligrams per Kilogram
Thallium	Less Than 14.1	Milligrams per Kilogram
Vanadium	94.8	Milligrams per Kilogram
Zinc	258	Milligrams per Kilogram
Percent Solid		

Sample: 6430-7
Project ID: VM073708

Analysis/Analyte	Amount Found	Units
Solids, percent	74.5	Percent

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Results of Sample Analysis

Sample: 6430-5
Project ID: VM073708

These are the results from the analysis of solid sample number 6430-5. This sample was collected on 04/15/2014 at the location described as: CCR-SD05, Trib to Tar Creek #2. If you have any questions about these results, contact Venessa Madden at the above address or by calling 913-551-7794. Correspondence should refer to sample number 6430-5 for project: VM073708 - Cherokee County - RR sampling.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Aluminum	11900	Milligrams per Kilogram
Antimony	Less Than 4.6	Milligrams per Kilogram
Arsenic	Less Than 11.6	Milligrams per Kilogram
Barium	120	Milligrams per Kilogram
Beryllium	Less Than 2.3	Milligrams per Kilogram
Cadmium	5.4	Milligrams per Kilogram
Calcium	2180	Milligrams per Kilogram
Chromium	11.2	Milligrams per Kilogram
Cobalt	5.5	Milligrams per Kilogram
Copper	13.4	Milligrams per Kilogram
Iron	12100	Milligrams per Kilogram
Lead	74.8	Milligrams per Kilogram
Magnesium	1030	Milligrams per Kilogram
Manganese	137	Milligrams per Kilogram
Molybdenum	Less Than 4.6	Milligrams per Kilogram
Nickel	8.8	Milligrams per Kilogram
Potassium	912	Milligrams per Kilogram
Selenium	Less Than 23.2	Milligrams per Kilogram
Silver	Less Than 4.6	Milligrams per Kilogram
Sodium	Less Than 116	Milligrams per Kilogram
Thallium	Less Than 23.2	Milligrams per Kilogram
Vanadium	30.9	Milligrams per Kilogram
Zinc	761	Milligrams per Kilogram
Percent Solid		

Sample: 6430-5
Project ID: VM073708

Analysis/Analyte	Amount Found	Units
Solids, percent	45.5	Percent

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Results of Sample Analysis

Sample: 6430-105
Project ID: VM073708

These are the results from the analysis of water sample number 6430-105. This sample was collected on 04/15/2014 at the location described as: CCR-SW05, Trib to Tar Creek #2. If you have any questions about these results, contact Venessa Madden at the above address or by calling 913-551-7794. Correspondence should refer to sample number 6430-105 for project: VM073708 - Cherokee County - RR sampling.

Analysis/Analyte	Amount Found	Units
Hardness in Water by Calculation		
Hardness as CaCO3	114	Milligrams per Liter
Metals in Water by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Calcium	33.3	Milligrams per Liter
Magnesium	7.41	Milligrams per Liter
Metals in Water by Inductively Coupled Argon Plasma (ICP) and Mass Spectrometry (MS)		
Antimony	Less Than 2.0	Micrograms per Liter
Arsenic	1.3	Micrograms per Liter
Barium	110	Micrograms per Liter
Beryllium	Less Than 1.0	Micrograms per Liter
Cadmium	Less Than 0.12	Micrograms per Liter
Chromium	Less Than 2.0	Micrograms per Liter
Cobalt	Less Than 1.0	Micrograms per Liter
Copper	Less Than 2.0	Micrograms per Liter
Lead	Less Than 1.0	Micrograms per Liter
Manganese	87.5	Micrograms per Liter
Nickel	4.2	Micrograms per Liter
Selenium	Less Than 5.0	Micrograms per Liter
Silver	Less Than 1.0	Micrograms per Liter
Thallium	Less Than 1.0	Micrograms per Liter
Vanadium	1.0	Micrograms per Liter
Zinc	39.6	Micrograms per Liter

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Results of Sample Analysis

Sample: 6430-2
Project ID: VM073708

These are the results from the analysis of solid sample number 6430-2. This sample was collected on 04/15/2014 at the location described as: CCR-SD02, Willow Creek. If you have any questions about these results, contact Venessa Madden at the above address or by calling 913-551-7794. Correspondence should refer to sample number 6430-2 for project: VM073708 - Cherokee County - RR sampling.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Aluminum	3370	Milligrams per Kilogram
Antimony	7.7	Milligrams per Kilogram
Arsenic	Less Than 6.2	Milligrams per Kilogram
Barium	38.0	Milligrams per Kilogram
Beryllium	1.7	Milligrams per Kilogram
Cadmium	6.4	Milligrams per Kilogram
Calcium	669	Milligrams per Kilogram
Chromium	57.4	Milligrams per Kilogram
Cobalt	16.9	Milligrams per Kilogram
Copper	1.9	Milligrams per Kilogram
Iron	71900	Milligrams per Kilogram
Lead	78.5	Milligrams per Kilogram
Magnesium	236	Milligrams per Kilogram
Manganese	261	Milligrams per Kilogram
Molybdenum	Less Than 2.5	Milligrams per Kilogram
Nickel	56.2	Milligrams per Kilogram
Potassium	303	Milligrams per Kilogram
Selenium	Less Than 12.5	Milligrams per Kilogram
Silver	Less Than 2.5	Milligrams per Kilogram
Sodium	Less Than 62.4	Milligrams per Kilogram
Thallium	Less Than 12.5	Milligrams per Kilogram
Vanadium	56.7	Milligrams per Kilogram
Zinc	1940	Milligrams per Kilogram
Percent Solid		

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Results of Sample Analysis

Sample: 6430-102
Project ID: VM073708

These are the results from the analysis of water sample number 6430-102. This sample was collected on 04/15/2014 at the location described as: CCR-SW02. If you have any questions about these results, contact Venessa Madden at the above address or by calling 913-551-7794. Correspondence should refer to sample number 6430-102 for project: VM073708 - Cherokee County - RR sampling.

Analysis/Analyte	Amount Found	Units
Hardness in Water by Calculation		
Hardness as CaCO3	500	Milligrams per Liter
Metals in Water by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Calcium	178	Milligrams per Liter
Magnesium	13.5	Milligrams per Liter
Metals in Water by Inductively Coupled Argon Plasma (ICP) and Mass Spectrometry (MS)		
Antimony	Less Than 2.0	Micrograms per Liter
Arsenic	Less Than 1.0	Micrograms per Liter
Barium	55.4	Micrograms per Liter
Beryllium	Less Than 1.0	Micrograms per Liter
Cadmium	Less Than 0.12	Micrograms per Liter
Chromium	Less Than 2.0	Micrograms per Liter
Cobalt	9.7	Micrograms per Liter
Copper	Less Than 2.0	Micrograms per Liter
Lead	Less Than 1.0	Micrograms per Liter
Manganese	296	Micrograms per Liter
Nickel	68.1	Micrograms per Liter
Selenium	Less Than 5.0	Micrograms per Liter
Silver	Less Than 1.0	Micrograms per Liter
Thallium	Less Than 1.0	Micrograms per Liter
Vanadium	Less Than 1.0	Micrograms per Liter
Zinc	1130	Micrograms per Liter

Sample: 6430-2
Project ID: VM073708

Analysis/Analyte	Amount Found	Units
Solids, percent	77.0	Percent

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Results of Sample Analysis

Sample: 6580-5
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-5. This sample was collected on 09/17/2014 at the location described as: 32A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-5 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	69.0	Percent
Lead, Total in sieved portion	1553	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	31.6	Milligrams per Kilogram
Lead	399	Milligrams per Kilogram
Zinc	4510	Milligrams per Kilogram
Percent Solid		
Solids, percent	96.0	Percent

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Results of Sample Analysis

Sample: 6580-6
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-6. This sample was collected on 09/17/2014 at the location described as: 32B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-6 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	Approximately 91.3	Percent
Lead, Total in sieved portion	1876	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	56.1	Milligrams per Kilogram
Lead	545	Milligrams per Kilogram
Zinc	6810	Milligrams per Kilogram
Percent Solid		
Solids, percent	94.8	Percent

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Results of Sample Analysis

Sample: 6580-7
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-7. This sample was collected on 09/17/2014 at the location described as: 32C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-7 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	74.5	Percent
Lead, Total in sieved portion	1917	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	51.3	Milligrams per Kilogram
Lead	538	Milligrams per Kilogram
Zinc	5870	Milligrams per Kilogram
Percent Solid		
Solids, percent	95.4	Percent

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Results of Sample Analysis

Sample: 6580-8
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-8. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-8 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	55.9	Percent
Lead, Total in sieved portion	2631	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	28.0	Milligrams per Kilogram
Lead	1130	Milligrams per Kilogram
Zinc	3840	Milligrams per Kilogram
Percent Solid		
Solids, percent	87.8	Percent

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Results of Sample Analysis

Sample: 6580-9
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-9. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-9 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	69.5	Percent
Lead, Total in sieved portion	2552	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	51.8	Milligrams per Kilogram
Lead	1700	Milligrams per Kilogram
Zinc	6230	Milligrams per Kilogram
Percent Solid		
Solids, percent	94.3	Percent

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Results of Sample Analysis

Sample: 6580-9-FD
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-9-FD. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-9-FD for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	66.0	Percent
Lead, Total in sieved portion	2521	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	48.2	Milligrams per Kilogram
Lead	1700	Milligrams per Kilogram
Zinc	5800	Milligrams per Kilogram
Percent Solid		
Solids, percent	95.9	Percent

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Results of Sample Analysis

Sample: 6580-10
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-10. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-10 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	60.4	Percent
Lead, Total in sieved portion	2187	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	40.7	Milligrams per Kilogram
Lead	874	Milligrams per Kilogram
Zinc	5140	Milligrams per Kilogram
Percent Solid		
Solids, percent	96.1	Percent

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Results of Sample Analysis

Sample: 6580-18
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-18. This sample was collected on 09/17/2014 at the location described as: 25A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-18 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	59.7	Percent
Lead, Total in sieved portion	1028	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	23.2	Milligrams per Kilogram
Lead	494	Milligrams per Kilogram
Zinc	3370	Milligrams per Kilogram
Percent Solid		
Solids, percent	90.2	Percent

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Results of Sample Analysis

Sample: 6580-19
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-19. This sample was collected on 09/17/2014 at the location described as: 25B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-19 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	40.7	Percent
Lead, Total in sieved portion	1035	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	31.6	Milligrams per Kilogram
Lead	454	Milligrams per Kilogram
Zinc	4550	Milligrams per Kilogram
Percent Solid		
Solids, percent	89.6	Percent

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Results of Sample Analysis

Sample: 6580-20
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-20. This sample was collected on 09/17/2014 at the location described as: 24A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-20 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	39.7	Percent
Lead, Total in sieved portion	1280	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	88.7	Milligrams per Kilogram
Lead	961	Milligrams per Kilogram
Zinc	7960	Milligrams per Kilogram
Percent Solid		
Solids, percent	91.0	Percent

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Results of Sample Analysis

Sample: 6580-21
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-21. This sample was collected on 09/17/2014 at the location described as: 24B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-21 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	48.6	Percent
Lead, Total in sieved portion	1994	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	Approximately 45.5	Milligrams per Kilogram
Lead	Approximately 842	Milligrams per Kilogram
Zinc	5680	Milligrams per Kilogram
Percent Solid		
Solids, percent	92.8	Percent

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Results of Sample Analysis

Sample: 6580-22
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-22. This sample was collected on 09/17/2014 at the location described as: 26A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-22 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	75.9	Percent
Lead, Total in sieved portion	1515	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	35.9	Milligrams per Kilogram
Lead	594	Milligrams per Kilogram
Zinc	5500	Milligrams per Kilogram
Percent Solid		
Solids, percent	93.0	Percent

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Results of Sample Analysis

Sample: 6580-23
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-23. This sample was collected on 09/17/2014 at the location described as: 26B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-23 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Lead, Bioaccessible	81.4	Percent
Lead, Total in sieved portion	1460	Milligrams per Kilogram
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)		
Cadmium	27.7	Milligrams per Kilogram
Lead	450	Milligrams per Kilogram
Zinc	4500	Milligrams per Kilogram
Percent Solid		
Solids, percent	93.4	Percent

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Results of Sample Analysis

Sample: 6580-102
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-102. This sample was collected on 09/17/2014 at the location described as: 13BB - Bulk. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-102 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)(2)		
Cadmium	43.3	Milligrams per Kilogram
Lead	1080	Milligrams per Kilogram
Zinc	7500	Milligrams per Kilogram
Percent Solid		
Solids, percent	92.7	Percent

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Results of Sample Analysis

Sample: 6580-202
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-202. This sample was collected on 09/17/2014 at the location described as: 13BB - Fine. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-202 for project: EH073708 - Cherokee County - Railroads sampling.

Analysis/Analyte	Amount Found	Units
Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)(3)		
Cadmium	74.4	Milligrams per Kilogram
Lead	3880	Milligrams per Kilogram
Zinc	12800	Milligrams per Kilogram
Percent Solid		
Solids, percent	97.6	Percent